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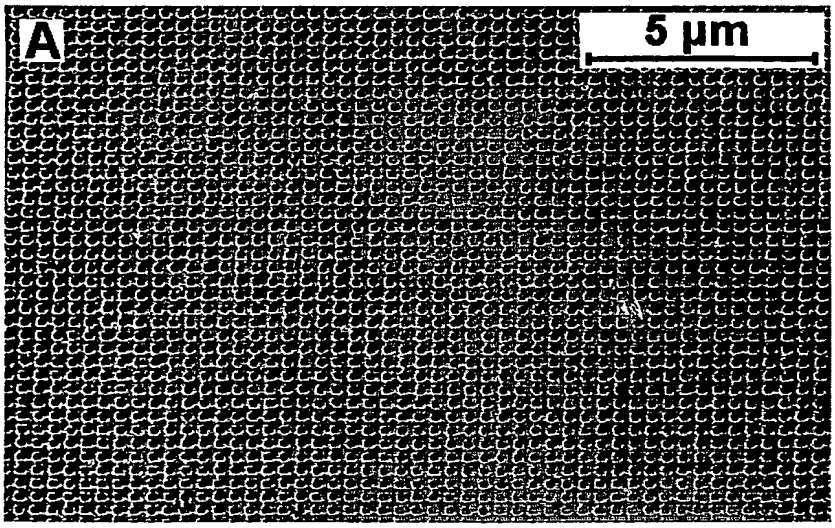
(54) Title: SELF-ORGANIZED NANOPORE ARRAYS WITH CONTROLLED SYMMETRY AND ORDER



(57) Abstract: An ordered, single domain nanopore array having a macroscale area in a first material is provided. A method of making a nanopore arrays with a controlled pattern include providing a substrate comprising a first surface having a first patter, depositing a first material capable of forming nanopores onto said first-surface having the first pattern, and anodically oxidizing said first material to form the nanopore array with the controlled pattern in the anodically oxidized first material.

WO 2004/097894 A2